MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 3, 2016/2017

PCG0023 – COMPUTER GRAPHICS 2

(All sections / Groups)

26 MAY 2017
3.00 PM – 5.00 PM
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 13 pages (including this cover page)
2. ANSWER COMPULSORY QUESTION (SECTION A) AND CHOOSE TWO OUT OF FOUR QUESTION (SECTION B) NOT ALL
3. Please write all your answers in the Answer Booklet provided.

SECTION A
Answer ALL questions.

1. A psd file is a psd file because...
   A. It has layers
   B. It can only be open with the photoshop app
   C. It can be saved as other file formats
   D. All of the above are true

2. The shortcut to adjust the size of the object in Photoshop...
   A. Ctrl + O
   B. Ctrl + N
   C. Ctrl + T
   D. Ctrl + Z

3. The key to resizing on object proportional is...
   A. Ctrl+shift
   B. Shift
   C. Ctrl+Alt+Shift
   D. Ctrl+Z

4. The quick setting to make a curve line is...
   A. Free transform + Distort
   B. Free transform + Skew
   C. Free transform+Curve
   D. Free transform+Flag

5. The color and resolution setting for printing is...
   A. RGB and 300 pixels
   B. CMYK and 300 pixels
   C. RGB and 72 pixels
   D. CMYK and 180 pixels

6. Type of image that is good for website...
   A. .EPS
   B. Vector
   C. .AI
   D. Bitmap

7. Tools for selection in Photoshop...
   A. Magnetic lasso tool
   B. Lasso tool
   C. Pen tool
   D. All answers are correct

Continued...

8. There are ... colors in 4 bits
   A. 2
   B. 4
   C. 16
   D. 64

9. These are the basic enhancements for editing photo...
   A. Levels
   B. Curve
   C. Brightness and contrasts
   D. All answers are correct

10. Hue/Saturation is used to...
   A. Make the shadow less brighter
   B. Make the color less brighter
   C. Make the color more pop-up
   D. Make the shadow more brighter

11. These are the techniques for cropping a photo, **EXCEPT**...
   A. Resize the picture and crop it
   B. Select crop tool, drag to the desired spot, press enter
   C. Select rectangular marquee tool, drag to desired spot, press enter
   D. Select elliptical tool, drag to desired spot, press enter

12. Filter for reducing noise in picture is...
   A. Reduce noise
   B. Noise
   C. Blur
   D. Gaussian blur

13. For displaying on screen media, the setting size of a picture is...
   A. Bicubic smoother (best for enlargement)
   B. Bicubic sharper (for best reduction)
   C. Bicubic (best for smooth gradients)
   D. Bicubic automatic

14. Shortcut for setting the size of a picture is...
   A. Ctrl+Alt+N
   B. Ctrl+Alt+Shift
   C. Ctrl+Alt+F
   D. Ctrl+Alt+I

15. Quality and format setting for uploading picture to screen media is...
   A. 8 and Baseline (Standard)
   B. 8 and Baseline optimized
   C. 10 and Progressive
   D. 10 and Baseline optimized

Continued...

16. The shortcut to duplicate layer is...
    A. CTRL+I
    B. CTRL+L
    C. CTRL+D
    D. CTRL+J

17. What option used to select back the unselected part of an image?
    A. Modified
    B. Inversed
    C. Selected
    D. Inverted

18. A selection can be modified by the following, **EXCEPT**...
    A. Contracted
    B. Expanded
    C. Smoothed
    D. Transformed

19. To change the color scheme of every layer, a top layer is created with the "new" color and the blending mode of this layer is set to…
    A. Hue
    B. Overlay
    C. Saturation
    D. Screen

20. By definition, …….. is combining of two images together to create a third.
    A. Layering
    B. Flattening
    C. Merging
    D. Compositing

21. 0% opacity is called …, and 100% opacity is called ...
    A. Transparent, opaque
    B. Opaque, transparent
    C. Invisible, visible
    D. None of the above

22. To cut down the size of an entire image, including all the layers, you should use the … tool.
    A. Marquee
    B. Magic wand
    C. Crop
    D. Clone Stamp

Continued…

23. The typical size for a graphic design is measured in ...
    A. Pixels
    B. Points
    C. Inches
    D. Centimeters

24. To delete a series of steps that have been used in editing of image, you need to use the ... palette.
    A. Layer
    B. Action
    C. History
    D. Path

25. The name of the tool to quickly removes called blemishes and imperfections from photographs with a uniform background is called ...
    A. Paint bucket tool
    B. Spot healing brush tool
    C. Sharpen tool
    D. Brush tool

26. The name of the tool that lighten areas in an image in Photoshop is called...
    A. Zoom tool
    B. Dodge tool
    C. Burn tool
    D. Smudge tool

27. The name of the tool to paints with a sample of an image is the...
    A. Magic wand tool
    B. Zoom tool
    C. Clone stamp tool
    D. Custom shape tool

28. Drop shadow, inner glow and bevel are examples of ... you may use with text.
    A. Image adjustments
    B. Layer modes
    C. Blending options
    D. Filters

29. To fill in a layer as a background, which of the following tools would be useful?
    A. Line
    B. Smudge
    C. Magnetic lasso
    D. Paint bucket

Continued...

30. What is the tool that involves taking pixels from one location and moving them to another location?
    A. Patching
    B. Selecting
    C. Cloning
    D. Moving

31. What is the command use to undo the last change made in your graphic design?
    A. Ctrl + A
    B. Ctrl + Z
    C. Shift + Z
    D. Ctrl + Shift + Z

32. The tool that allows you to copy one area of the layer to another area of the layer is...
    A. Magic wand
    B. Clone stamp
    C. Marquee
    D. Gradient

33. These are used to clean up or retouch your photos, apply special art effects that give your image the appearance of a sketch or impressionistic painting, or create unique transformations using distortions and lighting effects...
    A. Layer styles
    B. Filters
    C. Blending modes
    D. Tools

34. Setting in free transform used to mess up the dimension of width and height of an object because shift is not being held down is...
    A. Scale
    B. Distort
    C. Perspective
    D. Flip

35. This layer panel technique will hide what is on a layer and reveal part of the contents with a brush...
    A. Layers panel
    B. Layer mask
    C. Layer style
    D. Fill of adjustment layer

Continued...

36. Which one of the lasso tools selects an area by using a series of clicks, connecting a series of straight lines to enclose an area?
    A. Lasso tool
    B. Polygonal lasso tool
    C. Magnetic lasso tool
    D. Vertical lasso tool

37. The … tool is used as a separator design element and the thickness is measured in...
    A. Line, pixels
    B. Line, centimeters
    C. Shape, pixels
    D. Line, inches

38. All of the followings are Blur filter options, **EXCEPT**...
    A. Radial
    B. Noise
    C. Motion
    D. Gaussian

39. Which statement is **incorrect** about working with the gradient tool in Photoshop?
    A. There is a pressure tool bar option setting for a gradient
    B. Gradients have presets
    C. There is a gradient editor to create your own gradient
    D. You can set blending modes with gradients

40. All of the followings are locations where you can change Blending Modes, **EXCEPT**...
    A. Layer styles
    B. Image adjustments
    C. Brushes
    D. Adjustment panel

41. The opacity of a layer adjusts its transparency.
    A. TRUE
    B. FALSE

42. To create a layer mask, start with a selection of the area. At the bottom of the layers panel, click the Add Layer Mask button.
    A. TRUE
    B. FALSE

43. Pixels are small squares on a computer screen that reflects light.
    A. TRUE
    B. FALSE

Continued…

44. Resolution of image to be uploaded to learncreativeskills.com/MMLS is 300 pixels.
    A. TRUE
    B. FALSE

45. Photo montage is collection of some pictures.
    A. TRUE
    B. FALSE

46. Displacement map are made of two pictures.
    A. TRUE
    B. FALSE

47. The third option in the Hue & Saturation image adjustment dialog box is Vividness.
    A. TRUE
    B. FALSE

48. Once you build the layers in your artwork (image/photo), you cannot rearrange them.
    A. TRUE
    B. FALSE

49. Typography is the way of filtering message.
    A. TRUE
    B. FALSE

50. Raster image is made of paths.
    A. TRUE
    B. FALSE

51. The [] keystroke can be held down when you are using brush tool to make a perfect circle.
    A. TRUE
    B. FALSE

52. The dodge tool works with midtones as tool bar option settings.
    A. TRUE
    B. FALSE

53. White areas in a layer mask permit pixels to be seen, black areas hide pixels, and gray areas hide pixels partially.
    A. TRUE
    B. FALSE

54. The first photo montage was created in Netherlands.
    A. TRUE
    B. FALSE

Continued...

55. Displacement map is a good way to map texture onto 2D objects, such as, logos or text.
    A. TRUE
    B. FALSE

56. Ctrl + M allows you to merge two or more layers together.
    A. TRUE
    B. FALSE

57. The Rule of Thirds has 4 cross hairs where the main focal point should be places in design work or photographic snapshots.
    A. TRUE
    B. FALSE

58. Rectangular Marquee Tool allows you to crop the image based on the rectangular shape.
    A. TRUE
    B. FALSE

59. Pen tool can be used for selection.
    A. TRUE
    B. FALSE

60. To make a curve lines, you can select, Free transform then warp and change the custom setting to Normal.
    A. TRUE
    B. FALSE

Continued...

SECTION B **(40 Marks)**
Choose TWO Questions out of FOUR Questions

QUESTION 1 **(20 marks)**

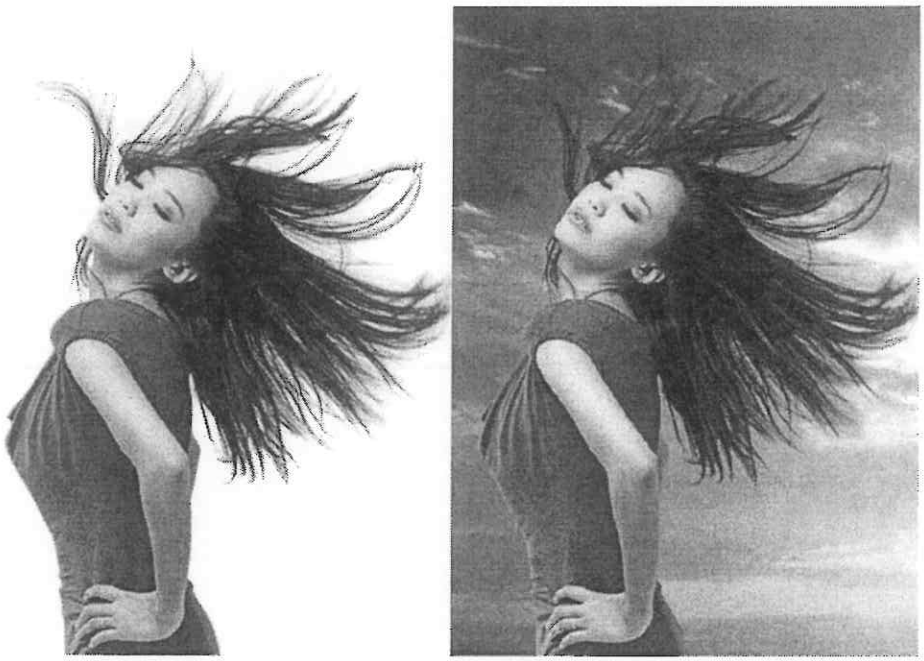

Illustration 1

The following questions are based on the following **Refine Edge with Layer Mask Techniques for removing background and compositing with background**:

Illustration 1 is captured from basic learning of understanding background removal and compositing with background using refine edge with layer mask techniques. All questions are in sequence steps.

a. How do you select your subject? (6 marks)

b. How do you select Refine Edge tool? (4 marks)

c. How to increase the radius value? And why you have to select radius value? (6 marks)

d. How do you remove the fringing in the hair? (4 marks)

Continued...

QUESTION 2

(20 Marks)

Illustration 2

The following questions are based on the **Image Retouching and Coloring Technique**:

Illustration 2 is captured from basic learning of understanding image retouching and coloring technique. All questions are NOT in sequence steps.

a. What are the steps to lighten and brighten the eyes? (6 marks)

b. What are the steps to reduce wrinkles? (4 marks)

c. What are the steps to remove blemish and acne? (5 marks)

d. What are the steps to smooth and soften the skin? (3 marks)

e. What are the steps to change the skin tone? (2 marks)

Continued...

QUESTION 3 **(20 Marks)**

Illustration 3

The following questions are based on the **Compositing with Vector Art into Digital Imaging with Blending, Layering and Supports with Several Tools Technique:**

Illustration 3 is captured from basic learning of Compositing with Vector Art into Digital Imaging with Blending, Layering and Supports with Several Tools Technique. All questions are NOT in sequence steps.

a. How do you create the curve lines? (4 marks)

b. How do you create reflection for the handphone? (6 marks)

c. How do you add the text? (4 marks)

d. How do you change the color using gradient style? (6 marks)

Continued...

QUESTION 4 (20 Marks)

The followings are the questions based on Image Compositing and Layer Blending Technique and Photo Montage and Photo Manipulation:

a. What is typography and what is used for? (5 marks)

b. What is displacement map and what is used for? (5 marks)

c. What is photo montage? (5 marks)

d. How is the history of photo montage? (5 marks)

End of Paper.